The most common domains for marking down GRADE confidence were risk of bias (-1), inconsistency (-1), and imprecision (-2), however groups were commonly rated up in confidence (+1) when events followed a trajectory pattern. We can be moderately confident that the true clinical course of pain and disability in people with acute and subacute low back pain is likely to be close to the estimate, however there is a possibility that it may be substantially different. We have very low confidence that the clinical course of pain and disability in people with persistent low back pain is close to the estimate.

Table. GRADE su	mmary of fin	dings							-	
Number of studies			С	ertainty asse	ssment			Rating up	Sample size	Certainty
	Study design	Risk	of bias	Inconsistency	Indirectness	Imprecision	Publication bias		3120	
Outcome: Pain (a	cute cohorts	;)					1	I		I
31 studies	+4	-1		-1	0	0	0	+1		3
Bakker et al., $2007^{(1)}$ Besen et al., $2015^{(2)}$;Carstens et al., $2014^{(3)}$;Shaw et al., $2013^{(4)}$;Shaw et al., $2011^{(5)}$ Bousema et al., $2007^{(6)}$ Breen et al., $2011^{(7)}$ Coste et al., $1994^{(8)}$	Observational longitudinal	High High Moderate High Moderate	Serious risk of bias	Some inconsistency present	No serious concern	No serious concern	Undetected	Pattern identified	97 496 124 97 103	Moderate certainty
Coste et al., $2004^{(9)}$ Elfering et al., $2014^{(10)}$; Melloh et al., $2011^{(11)}$; Melloh et al., $2012^{(12)}$; Melloh et al., $2013^{(13)}$; Melloh et al., $2013^{(14)}$; Melloh et al., $2013^{(15)}$; Melloh et al., $2013^{(16)}$; Melloh et al., $2015^{(17)}$; Melloh et al., $2015^{(17)}$;		Moderate High	-						113 315	-
Ferguson et al., 2000 ⁽¹⁹⁾ ; Ferguson et al., 2001 ⁽²⁰⁾		High							32	
Grotle et al., $2005^{(21)}$; Grotle et al., $2007^{(22)}$ Hallegraeff et al., $2020^{(23)}$; Hallegraeff et	-	High Moderate	-						123 204	
al., 2021 ⁽²⁴⁾ Hasenbring et al., 2012 ⁽²⁵⁾	-	Moderate							177	

Hendrick et al., 2013 ⁽²⁶⁾	High		91
Henschke et al.,	Moderate		969
2008 ⁽²⁷⁾			
Jenkins et al., 2022 ⁽²⁸⁾ ;	Moderate		120
Jenkins et al., 2023 ⁽²⁹⁾			
Klyne et al., 2018 ⁽³⁰⁾ ;	High		133
Klyne et al., 2020 ⁽³¹⁾ ; Klyne et al., 2020 ⁽³²⁾ ;			
Klyne et al., $2020^{(33)}$;			
Klyne et al., 2022 ⁽³⁴⁾			
Knoop et al., 2022 ⁽³⁵⁾	High		247
Kovacs et al., 2005 ⁽³⁶⁾	High		366
Medeiros et al., 2018 ⁽³⁷⁾	Moderate		200
Mehling et al., 2011 ⁽³⁸⁾ ;	High		605
Mehling et al., 2012 ⁽³⁹⁾ ;			
Mehling et al., 2015 ⁽⁴⁰⁾ ;			
Mehling et al., 2015 ⁽⁴¹⁾			- 100
Morf et al., 2021 ⁽⁴²⁾	High		103
Sharpe et al., 2014 ⁽⁴³⁾	High		100
Shaw et al., 2005 ⁽⁴⁴⁾ ;	High		568
Shaw et al., 2007 ⁽⁴⁵⁾ ;			
Shaw et al., 2009 ⁽⁴⁶⁾ ; Shaw et al., 2012 ⁽⁴⁷⁾ ;			
Shaw et al., 2012(7), Shaw et al., 2018 ⁽⁴⁸⁾			
Shaw et al., 2011 ⁽⁴⁹⁾	Moderate		97
Sieben et al., 2005 ⁽⁵⁰⁾	High		220
Soares Oliveira et al., 2021 ⁽⁵¹⁾	Moderate		600
Starkweather et al., 2016 ⁽⁵²⁾	High		48
Suri et al., 2011 ⁽⁵³⁾	High		47
Swinkels-Meewisse et al., 2006 ⁽⁵⁴⁾	High		546
Tan et al., 2018 ⁽⁵⁵⁾	Low		177
Thomas and France, 2008 ⁽⁵⁶⁾	High		43
Zille Queiroz et al.,	Moderate		500
2017 ⁽⁵⁷⁾ ; Felicio et al.,			
2021 ⁽⁵⁸⁾ ; Teixeira et al.,			

2021 ⁽⁵⁹⁾ ; Silva et al.,										
2022 ⁽⁶⁰⁾ ; Rocha et al., 2023 ⁽⁶¹⁾										
Outcome: Pain (s	ubacute coh	orts)								
8 cohorts	+4	-1		-1	0	0	0	+1		3
Ben Ami et al., 2020 ⁽⁶²⁾	Observational	High	Serious	Some	No serious	No serious	Undetected		150	Moderate
Epping-Jordan et al., 1998 ⁽⁶³⁾ ; Shaw et al., 2007 ⁽⁶⁴⁾ ; Wahlgren et al., 1997 ⁽⁶⁵⁾ ; Williams et al., 1998 ⁽⁶⁶⁾	longitudinal	Low	risk of bias	inconsistency present	concern	concern			140	certainty
Heneweer et al., 2007 ⁽⁶⁷⁾		Low							80	
Karran et al., 2017 (a) ⁽⁶⁸⁾]	Low							48	
Koleck et al., 2006(69)	-	Moderate							99	
Ranger et al., 2020 (a) ⁽⁷⁰⁾		High							203	
Schulz et al., 2016 ⁽⁷¹⁾		High							29	
Shojaei et al., 2020 ⁽⁷²⁾		High							29	
Outcome: Pain (p	ersistent col	horts)								
3 cohorts	+4	-1		-1	0	-2	0	+1		1
Costa et al., 2009 ⁽⁷³⁾	Observational	Moderate	Moderate	Some	No serious	Very serious	Undetected	Pattern	379	Very low
Karran et al., 2017 (b) ⁽⁶⁸⁾	longitudinal	Low	-high risk of bias	inconsistency present	concern	concern		identified	132	certainty
Ranger et al., 2020 (b) ⁽⁷⁰⁾		High							344	
Outcome: Disabil	ity (acute co	horts)								
30 cohorts	+4	-1		-1	0	0	0	+1		3
Besen et al., 2015 ⁽²⁾ ; Carstens et al., 2014 ⁽³⁾ ; Shaw et al., 2013 ⁽⁴⁾ ; Shaw et al., 2011 ⁽⁵⁾	Observational longitudinal	High	Serious risk of bias	Some inconsistency present	No serious concern	No serious concern	Undetected	Pattern identified	496	Moderate certainty
Bousema et al., 2007 ⁽⁶⁾		Moderate							124	_
Breen et al., 2011 ⁽⁷⁾	4	High							97	4
Coste et al., 1994 ⁽⁸⁾	4	Moderate							103	_
Coste et al., 2004 ⁽⁹⁾		Moderate							113	

			045
Elfering et al., 2014 ⁽¹⁰⁾ ;	High		315
Melloh et al., 2011 ⁽¹¹⁾ ;			
Melloh et al., 2012 ⁽¹²⁾ ;			
Melloh et al., 2013 ⁽¹³⁾ ;			
Melloh et al., 2013 ⁽¹⁴⁾ ;			
Melloh et al., 2013 ⁽¹⁵⁾ ;			
Melloh et al., 2013 ⁽¹⁶⁾ ;			
Melloh et al., 2015 ⁽¹⁷⁾ ;			
Melloh et al., 2015 ⁽¹⁸⁾			
Ferguson et al.,	High		32
2000 ⁽¹⁹⁾ ; Ferguson et			
al., 2001 ⁽²⁰⁾			
Grotle et al., 2005 ⁽²¹⁾ ;	High		123
Grotle et al., 2007 ⁽²²⁾			
Hallegraeff et al.,	Moderate		204
2020 ⁽²³⁾ ; Hallegraeff et			
al., 2021 ⁽²⁴⁾			
Hasenbring et al.,	Moderate		177
2012 ⁽²⁵⁾			
Hendrick et al., 2013 ⁽²⁶⁾	High		91
Henschke et al.,	Moderate		969
2008 ⁽²⁷⁾			
Jenkins et al., 2022 ⁽²⁸⁾ ;	Moderate		120
Jenkins et al., 2023 ⁽²⁹⁾			
Klyne et al., 2018 ⁽³⁰⁾ ;	High		133
Klyne et al., 2020 ⁽³¹⁾ ;			
Klyne et al., 2020 ⁽³²⁾ ;			
Klyne et al., 2022 ⁽³³⁾ ;			
Klyne et al., 2022 ⁽³⁴⁾			
Kovacs et al., 2005 ⁽³⁶⁾	High		366
Medeiros et al., 2018 ⁽³⁷⁾	Moderate		200
Mehling et al., 2011 ⁽³⁸⁾ ;	High		605
Mehling et al., 2012 ⁽³⁹⁾ ;			
Mehling et al., 2015 ⁽⁴⁰⁾ ;			
Mehling et al., 2015 ⁽⁴¹⁾			
Morf et al., 2021 ⁽⁴²⁾	High		103
Reeser et al., 2001 ⁽⁷⁴⁾	High		368
Sharpe et al., 2014 ⁽⁴³⁾	High		100
Shaw et al., 2005 ⁽⁴⁴⁾ ;	High		568
Shaw et al., 2007 ⁽⁴⁵⁾ ;			

Shaw et al., $2009^{(46)}$; Shaw et al., $2012^{(47)}$; Shaw et al., $2018^{(48)}$ Shaw et al., $2018^{(48)}$ Sieben et al., $2001^{(49)}$ Sieben et al., $2002^{(75)}$ Sieben et al., $2005^{(50)}$ Soares Oliveira et al., $2021^{(51)}$ Starkweather et al., $2016^{(52)}$ Suri et al., $2011^{(53)}$ Swinkels-Meewisse et al., $2006^{(54)}$ Thomas and France, $2008^{(56)}$ Zille Queiroz et al., $2017^{(57)}$; Felicio et al., $2021^{(58)}$; Teixeira et al., $2021^{(59)}$; Silva et al., $2022^{(60)}$; Rocha et al., $2023^{(61)}$		Moderate High High Moderate High High High Moderate							97 34 220 600 48 47 546 43 500	
Outcome: Disabil)				1 -			
8 cohorts	+4	-1		-1	0	0	0	+1	1.50	3
Ben Ami et al., 2020 ⁽⁶²⁾ Epping-Jordan et al.,	Observational longitudinal	High Low	Serious risk of	Some inconsistency	No serious concern	No serious concern	Undetected	Pattern identified	150 140	Moderate certainty
1998 ⁽⁶³⁾ ; Shaw et al., 2007 ⁽⁶⁴⁾ ; Wahlgren et al., 1997 ⁽⁶⁵⁾ ; Williams et al., 1998 ⁽⁶⁶⁾			bias	present						
Heneweer et al., 2007 ⁽⁶⁷⁾		Low							80	
Karran et al., 2017	1	Low							48	1
(a) ⁽⁶⁸⁾		2011								
(a) ⁽⁶⁸⁾ Poiraudeau et al., 2006 ⁽⁷⁶⁾		Moderate							443	
Poiraudeau et al.,									443 203	-

Outcome: Disability (persistent cohorts)										
4 cohorts	+4	-1		-1	0	-2	0	+1		1
Carey et al., 2000 ⁽⁷⁷⁾	Observational	High	Serious	Some	No serious	Very serious	Undetected	Pattern	96	Very low
Costa et al., 2009 ⁽⁷³⁾	longitudinal	Moderate	risk of	inconsistency	concern	concern		identified	379	certainty
Karran et al., 2017 (b) ⁽⁶⁸⁾		Low	bias	present					132	
Ranger et al., 2020 (b) ⁽⁷⁰⁾		High							344	

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